

From: [Castronovo, Alison](#)
To: [Jordan, Ronald](#)
Cc: [Thomas Finseth](#); [Flanders, Phillip](#)
Subject: RE: EPA questions for upcoming call with We Energies (P4 data)
Date: Monday, June 16, 2014 10:09:32 AM

Ron,

The Pleasant Prairie combined discharge to Lake Michigan via Outfall 001 consists of cooling tower blowdown, treated FGD wastewater, and effluent from another wastewater treatment system onsite which processes low volume wastewater, coal pile runoff, and non-chemical metal cleaning wastewater. When the warming line is in service, a portion of the effluent regularly routed to Outfall 001 is directed to Outfall 002 (deicing line) immediately adjacent to the intake. While the FGD effluent has the potential to be included in this combined effluent, it is not discharged when the warming line is in service because the FGD wastewater routed back to the plant impacts cooling tower chemistry and can lead to elevated levels of Total Residual Chlorine (TRC). Thus, during cold periods in the winter months, when the warming line is in service, the FGD wastewater treatment system is placed in recirculation mode (effluent is recirculated to the absorber or to the equalization tank), which causes the mercury levels to rise due to the buildup of fine, colloidal particles that are difficult to remove.

Alison

From: Jordan, Ronald [mailto:Jordan.Ronald@epa.gov]
Sent: Monday, June 16, 2014 6:34 AM
To: Castronovo, Alison
Cc: Thomas Finseth; Flanders, Phillip
Subject: RE: EPA questions for upcoming call with We Energies (P4 data)

Good morning Allison,

Thanks for sending the responses to our questions. Regarding #23, What is the "combined effluent" that is sent to the warming line and is FGD wastewater included in this?

Ron

From: Castronovo, Alison [mailto:Alison.Castronovo@we-energies.com]
Sent: Wednesday, June 11, 2014 2:32 PM
To: Jordan, Ronald
Subject: RE: EPA questions for upcoming call with We Energies (P4 data)

Ron,

Attached is the written response from We Energies relaying the answers to EPA's questions about P4 data.

If you have any other questions or require further clarification, please do not hesitate to contact Dave Lee or me.

Alison Castronovo
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Milwaukee, WI 53203
Office: (414) 221-4337

From: Jordan, Ronald [<mailto:Jordan.Ronald@epa.gov>]

Sent: Wednesday, May 28, 2014 11:36 AM

To: Lee.David; Thomas Finseth; Dan-Tam Nguyen; Yan Zhuang; Schroeder, Cuc; Flanders, Phillip

Subject: EPA questions for upcoming call with We Energies (P4 data)